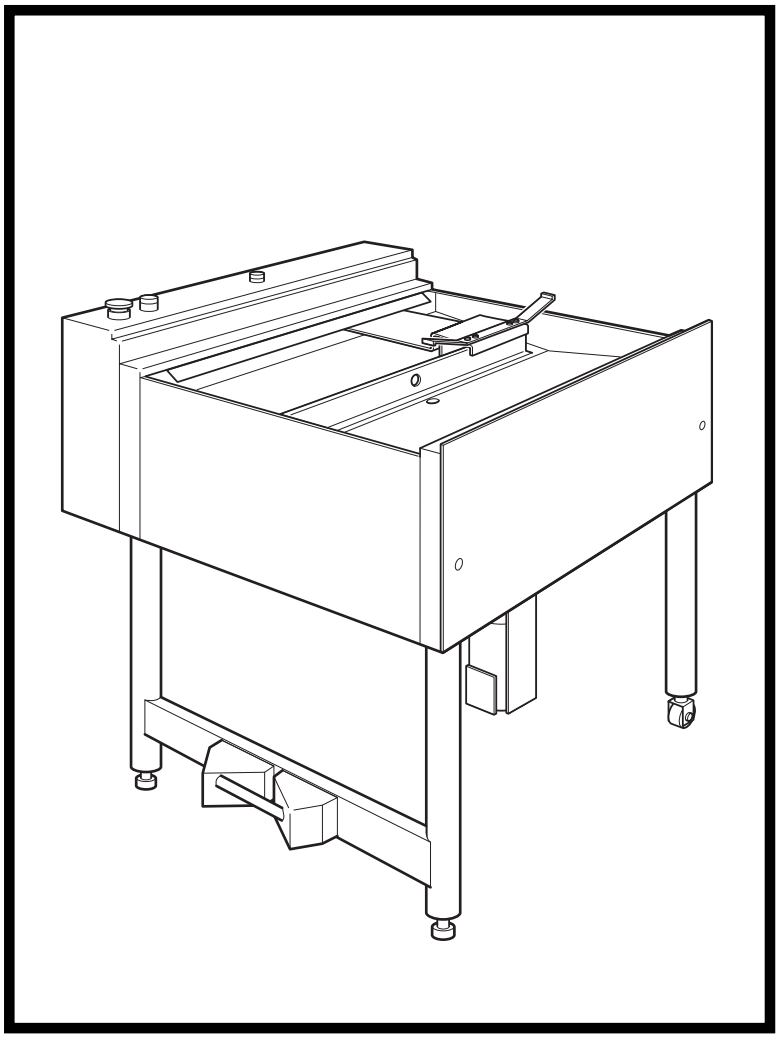
USER'S INSTRUCTIONS



Loader/ unloader

Serial no. 74179 -

4997231-01

GETINGE DISINFECTION

CE 0301

Produced: 2000

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Safety regulations

This machine has been designed with a number of built-in safety devices. To avoid injury to the person it is essential that these safety devices are not bypassed and thus put out of action.

General safety regulations

- The machine should not be used by minors.
- Installation and servicing should only be carried out by authorised staff.
- Before carrying out repair work or servicing, staff concerned should study up-to-date handbooks.
- All circuit board connections of the control system should be unplugged before any welding work is carried out on, or in the vicinity of, the washer disinfector, loader or unloader.
- The machine should not be sprayed with water.
- The covers of the loader/unloader should only be removed by qualified staff. The safety switch should be set to the OFF (0) position for all cleaning.
- Lock the wheels of the loading trolley when docking with the loader/unloader.

Warning symbols

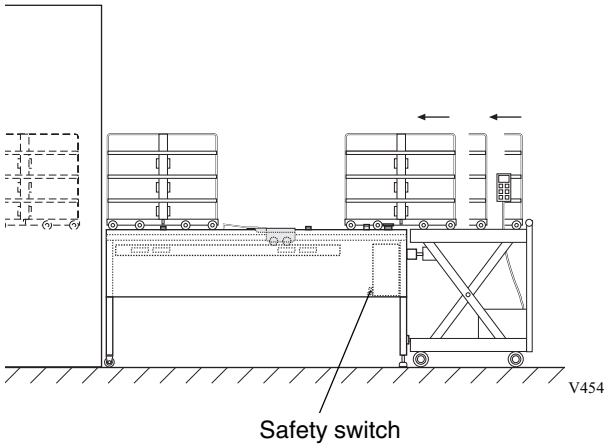
This manual includes certain warnings, instructions and advice of such importance that we have chosen to provide special indications. The form and symbols are as follows:

This symbol indicates a warning in the text. It indicates dangers which can lead to major or minor injury to the person.

It also indicates a warning of possible damage to the equipment.

Safety switch

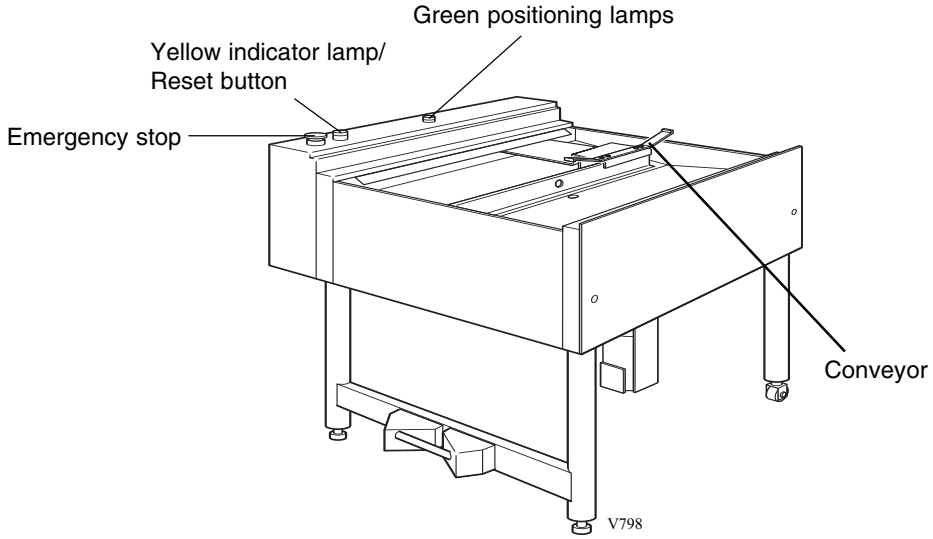
The machine is provided with a safety switch in the power supply line from the disinfector and is located as shown below.



Emergency stop

Movement of the conveyor can be stopped by means of the emergency switch, which is located as shown on the next page.

Yellow indicator lamp



Yellow light flashes

The yellow indicator lamp flashes for 10 seconds before the conveyor starts to move and while it is in motion.

Yellow light constant

A constant yellow light shines in the event of cycle malfunction.

Reset button

The yellow indicator lamp serves as a reset button.

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Green lamps

Positioning lamps for wash racks which light when the racks are in the correct position.

Automatic load barrier

The loader/unloader is fitted with an automatic load barrier to prevent goods inadvertently rolling off the feed-in or feed-out stations.

Automatic cut-out

If the trolley jams due to e.g. wrong loading, the supply current will be interrupted after a few seconds (see section *Operational Malfunction)*.

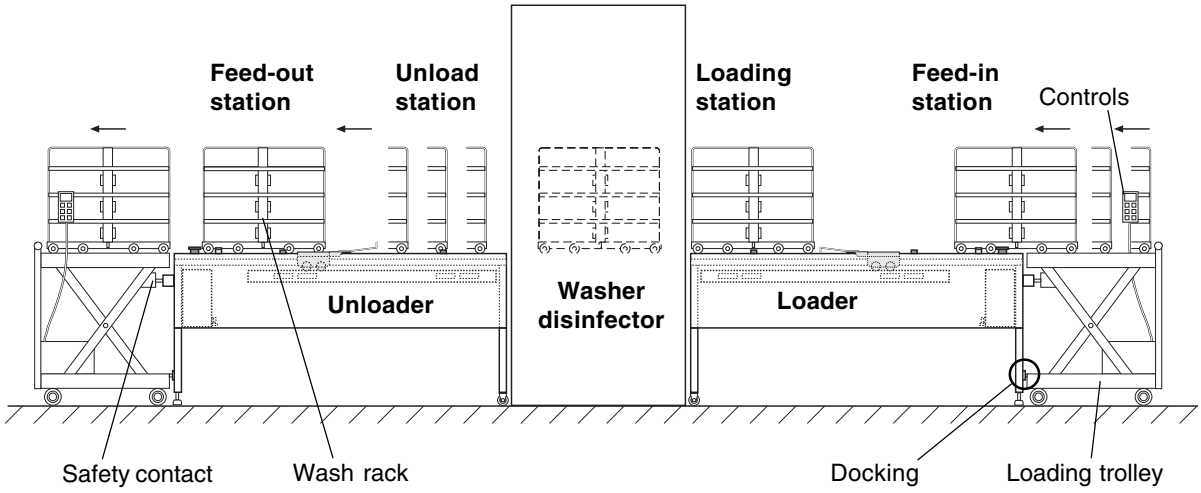
Functional description of the loader/unloader

Purpose

The loader and unloader are aids to loading and unloading the washer disinfector, especially where the depth of the chamber makes operation by hand uncomfortable and strenuous. Both the loader and unloader have room for two racks of goods each.

There are several different ways of installing and equipping the machine, depending on the use required.

Loading can be carried out manually with a loading trolley or automatically by means of the loader.



Loading/unloading

Wheel the loading trolley up to the loader and roll on the wash rack. The green lamp lights when the wash rack reaches the correct rearmost position (**the feed-in station).** If the station nearest the disinfector empty (**the loading station)**, the rack will automatically be conveyed to that position, and a further rack can then be rolled on to the loader's feed-in station.

When the machine is ready to accept the next wash rack, a door switch is enabled which sends a signal to the loader to start the conveyor. This moves the next wash rack into the washing chamber. When the rack has reached the right position inside the washing chamber, the door closes and the washing cycle will start. The wash rack selects its own program.

On completion of the washing cycle, the door on the clean side opens automatically, activating a door switch. This sends a signal to the unloader to start the conveyor, in order to retrieve the wash rack from the washing chamber. When the rack reaches the **unload station**, the door on the clean side closes and the door on the soiled side opens automatically. If the **feed-out station** is empty, the wash rack automatically moves there, and can then be offloaded on to the loading trolley.

If both stations on the unloader are occupied by wash racks, unloading will not start until the **feed-out station** position is free.

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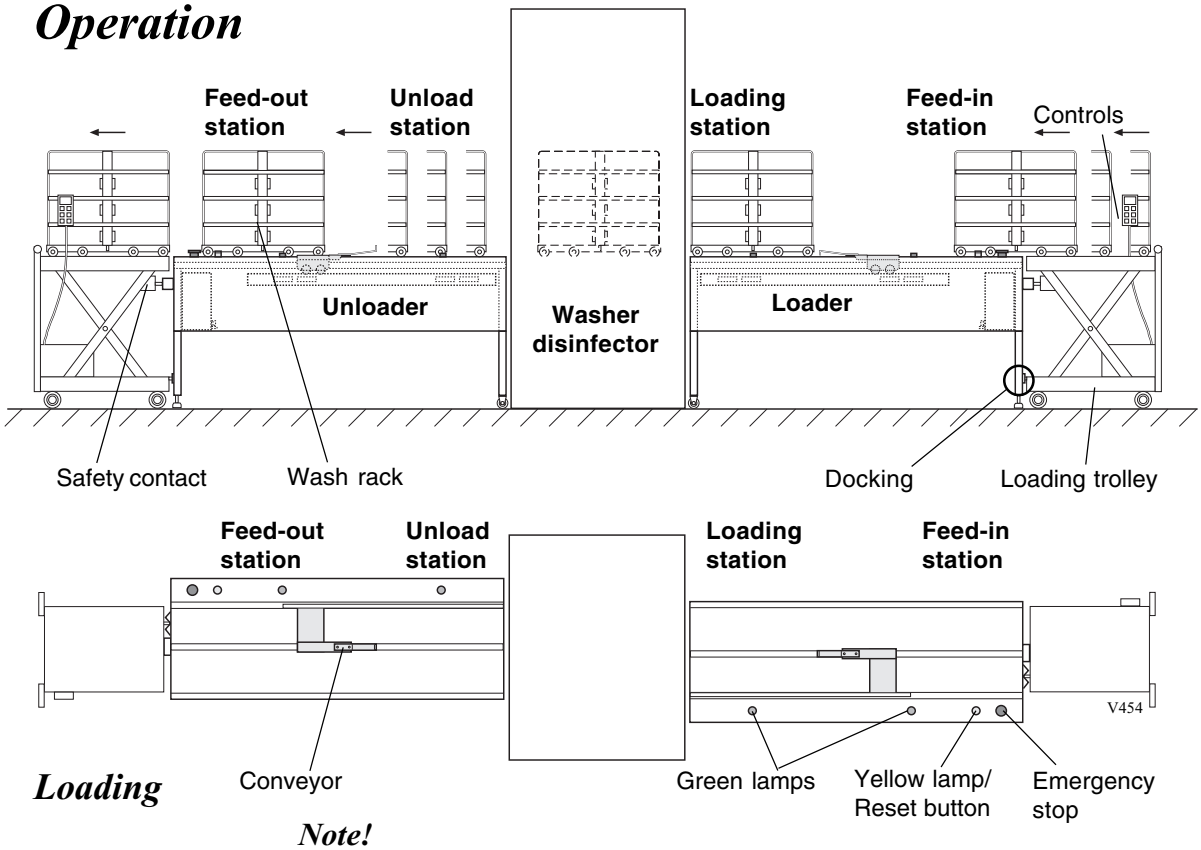
Operation



Loading

Note!
While the conveyor is moving towards the loading or unloading end, no loading can be carried out. This will automatically activate the loading barrier.

When loading:

- Wheel the loading trolley forward, checking that it docks properly with the loader, or with the washer disinfector. Roll the wash rack on to the loader or into the machine, either by hand or by means of the loading trolley hand control. ***Note! Make sure the wash rack is the right way round.***
- Place the wash rack so that the green **feed-in** lamp lights.

The yellow warning lamp will flash for 10 seconds before the conveyor starts and moves the rack to the **loading** station. When the **feed-in station** becomes empty a new wash rack can be rolled on.

The wash rack selects its own program.

> ***Beware the danger of crushing. In the event of malfunction, always stop the loader/unloader by means of the emergency stop.***

Unloading

Unloading from the disinfector is carried out automatically on completion of the washing cycle when the **discharge** station is empty.

Unloading from the unloader

Wheel the loading trolley into position, checking that it docks properly with the unloader. Roll the wash rack over by hand onto the loading trolley or by means of the loading trolley hand controls.

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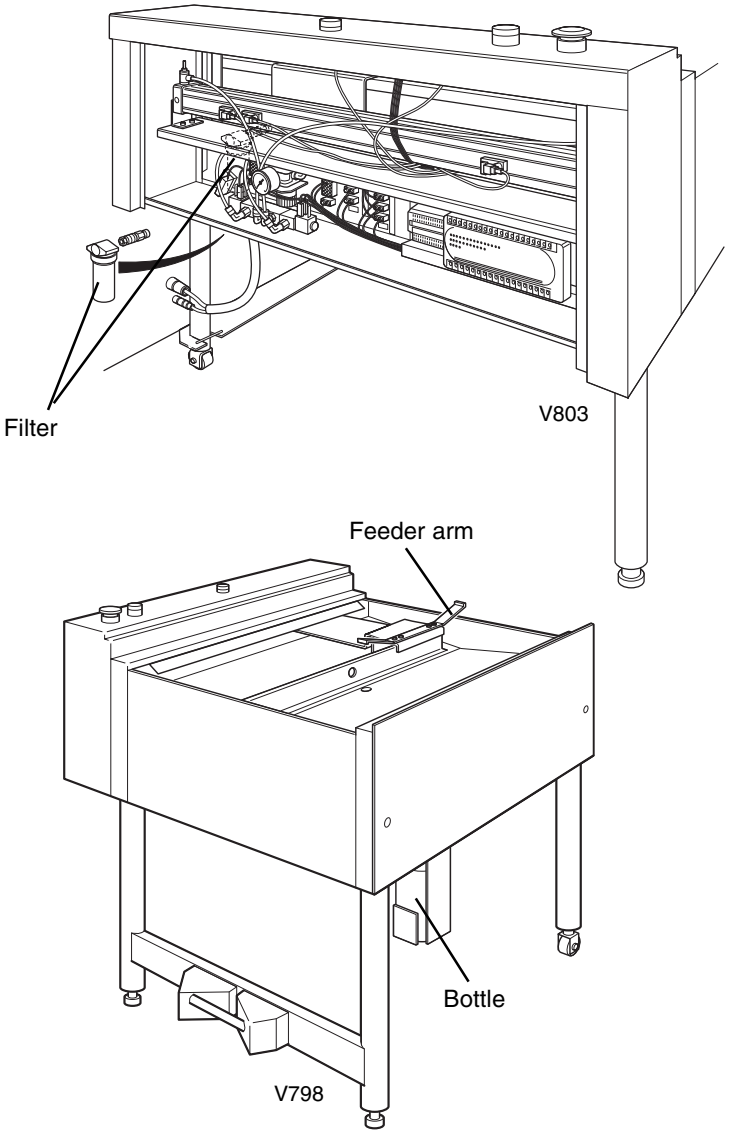
Maintenance and servicing

Daily maintenance

- Check that there are no objects on the table to interfere with the movement of the feeder arm.
- Make sure the bottle is emptied when required.



Servicing

- If necessary the feeder arm can be adjusted vertically with the aid of a template, see Installation Instructions section Checking the in-/ outfeeder arm.
- The air filter should be emptied once a year (if the compressed air contains much moisture more frequent emptying may be required).

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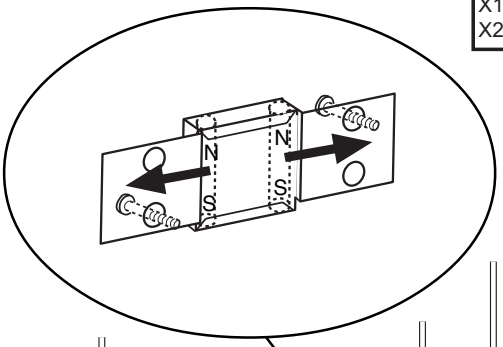
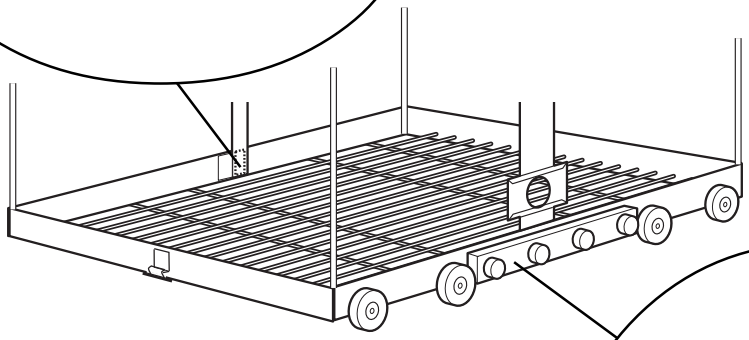
Wash rack program select

X4 = Start
X1 = P1 OP*)
X2 = P2 AN*)
X1+X2 = P3
X3 = P4
X1+X3 = P5
X2+X3 = P6

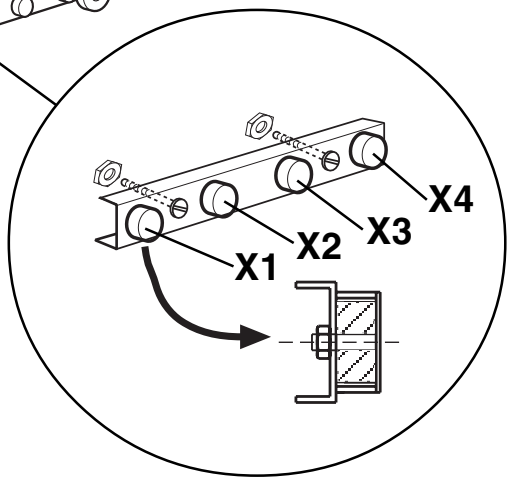
*) Programme setting on delivery. The magnets can be placed individually, however, for each rack. Placing depends on the desired program (P1-P6).

Position transmitter on the feed-in/ feed-out stations

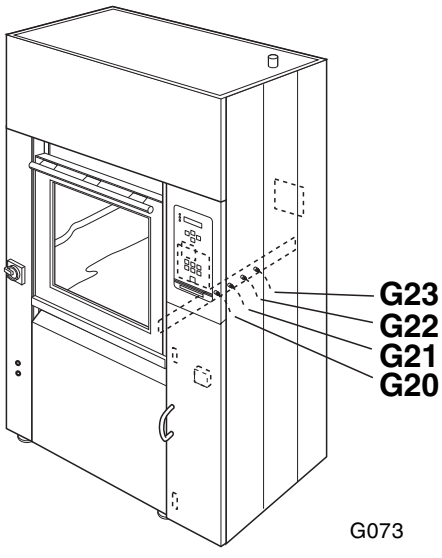




Program select rail



G23 = Start
G20 = P1
G21 = P2
G20+G21 = P3
G22 = P4
G20+G22 = P5
G21+G22 = P6



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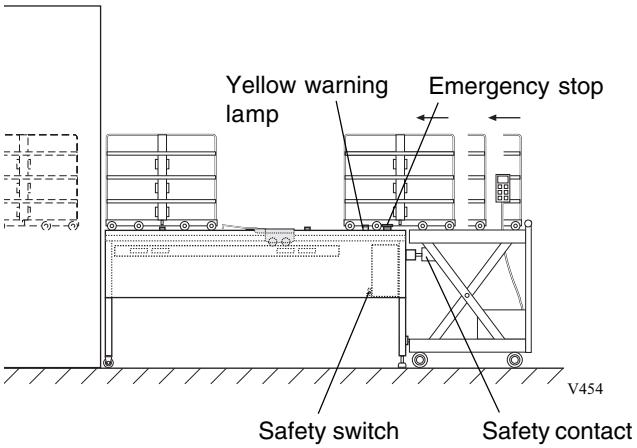
Operational malfunction

If the loader /unloader does not start, check first that the main switch on the disinfector and the switch on the loader/unloader are in the ON position.



Warning of operational malfunction

Operational malfunction is shown by the yellow indicator lamp shining constant. This occurs for example if:

- the conveyor does not return to its rest position.
- loading or unloading does not start.
- the wash rack has activated the automatic load barrier.
- the wash rack jams due to wrong loading of goods.
- the wash rack does not follow the feeder arm.

Action in the event of operational malfunction while loading or unloading

The following action should be taken in the event of operational malfunction (i.e. if yellow indicator lamp lights):

- Press the emergency stop.
- Move the wash rack back to its initial position and reload the goods (if necessary).
  - On the loader the wash rack should be in the **load** position (see Functional description).
  - On the unloader the wash rack should be in the **unload** position.

  Remove any wash racks in the **loading** position (loader) or **unloading** position (unloader).
- Restart the unit by pressing the yellow warning lamp (reset).

> ***When resetting, no wash rack should be in the loading position (loader) or unloading position (unloader).***

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- Check height of feeder arm, see section in Installation Instructions section Checking in- and outfeeder arm
- If the washer disinfector door is open and the loader/unloader will still not start, the washer disinfector switch (indicating door open) is either not enabled or not working.
- Request assistance from a technician in the event of malfunction.

Loading trolleys with motorised loading/unloading are provided with a safety switch that must be activated when loading/unloading.

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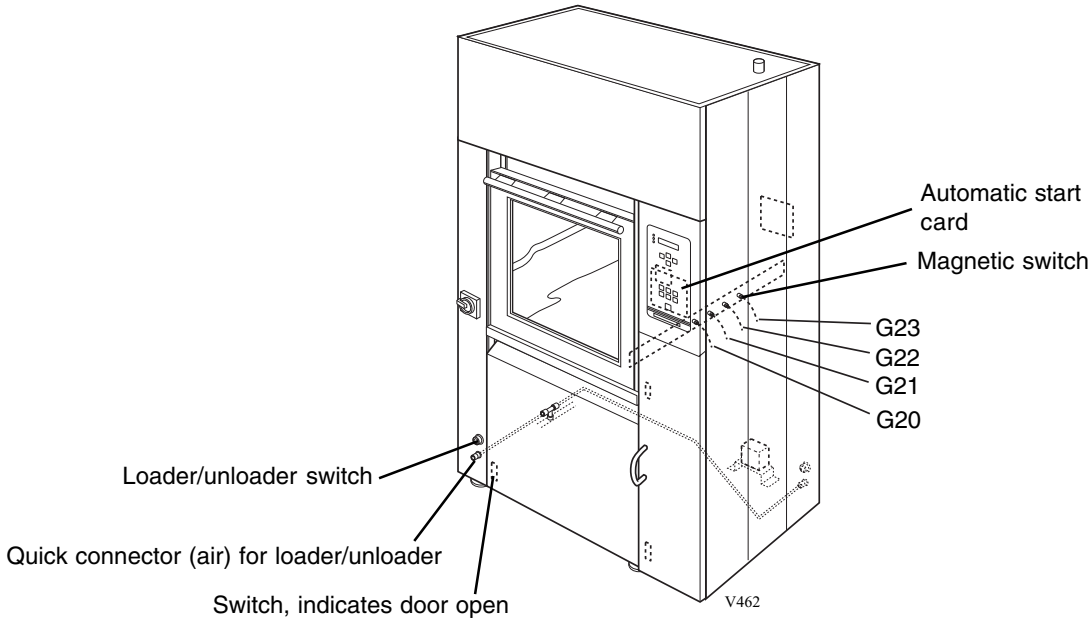

This product is manufactured by:
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